

# Clark County Monitoring Resource Center

Services and equipment available to the public:

Clark County has monitoring equipment available for loan to the public. However, before checking out equipment, it is necessary to clearly demonstrate why you are monitoring and what kinds of data you want to collect. Clark County can provide project guidance and technical assistance in regards to the goals and purpose of your project, and how to interpret your results.

## **Biological monitoring:**

- Nets, buckets, bottles and preservatives for collecting and looking at aquatic macroinvertebrates.
- Field guides for identifying aquatic macroinvertebrates. These guides can help you identify bugs to the family taxonomic level or at least to order, but are not more specific than that.
- Information to interpret stream health based on the types of macroinvertebrates found in your stream.

## **Water chemistry monitoring:**

- High quality meters for determining pH, conductivity, temperature, dissolved oxygen and turbidity.
- Temperature data loggers for continuous in-stream monitoring.
- Laboratory analyses (in certain cases) for parameters such as fecal coliform density and nutrient loading.
- Information on laboratories that perform water quality analysis and assistance with interpreting lab results.

## **Physical habitat assessment:**

- Methods, tools and equipment for measuring various stream channel characteristics. The size and kind of pebbles, pools, and woody debris in a stream create habitat and breeding ground for aquatic organisms.
- Tools to measure vegetation cover along the stream corridor.

## **Lake monitoring**

- Secchi disks for measuring lake clarity
- Hydrolab for measuring lake chemistry at any depth up to 70 feet
- Equipment for taking grab samples of lake water at any depth up to 70 feet

**Hydrologic monitoring:**

- Velocity meter and top-setting rod for measuring streamflow
- Methods and procedures for measuring streamflow

**Protective gear:**

- Knee boots and hip waders
- Neoprene gloves
- First aid kits
- Safety vests for visibility on roadways
- Life jackets for high water flows

**Miscellaneous:**

- Handheld Garmin global positioning system (GPS) unit
- Datasheets and field notebooks

**Questions about checking out equipment or volunteering? Please contact:**

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**Need technical assistance in designing a monitoring project? Please contact:**

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**Clark County Public Works – Water Resources – Clean Water Program**